

Page 29  
December 15, 2018

### PROGRESS REPORT THROUGH 30 NOVEMBER 2018

Site Name: **Pristine**  
Project Number: 1453-038-00-10 0003AP  
Vehicle: SSP&A  
SSID: 0556  
EPA CERCLA ID: OHD076773712  
RPM: David Linnear

#### *Work Performed:*

During this period, SSP&A worked on evaluating modeling results, EW-4 evaluation and memo, and had discussions about new data evaluations. Various simulations scenarios with extraction wells were prepared, output included hydraulic head data, drawdown maps, hydraulic capture maps, and gradients near selected monitoring wells. Consistency of results was confirmed by using both MODPATH 5.0 and MP3DU to perform particle tracking. A GWD file was prepared to visualize the model grid and well information. Finally, SSP&A had a call with EPA.

#### *Completion (1 May 2017 through November 30, 2018):*

% of Scope: 69%  
% of Obligated Funds: 99%  
% of Approved Funds: 69%

#### *Remaining Funding:*

Obligated Funds	\$99,049.44
Funds Used	\$98,060.14
Remaining Funds	\$989.30
Non-obligated Funds Remaining	\$42,170.00

#### *Anticipated Delays or Issues:*

New funds are required to continue advancing scope of work.

#### *Forecasts of Potential New Tasks or Additional Hours/Costs:*

None.

#### *Personnel Changes:*

None.

PROGRESS REPORT THROUGH 30 NOVEMBER 2018

Contract Task #	Project Task #	Task	Work to be Completed	Estimated Completion / Delivery Date	Deliverable*
2.A.1	4 and 8	Mapping Hydraulic Gradients	<p>Hydraulic gradient analysis Technical Memo: Use the mapping tools developed in Phase I, for mapping of new of water level maps, as required, that better incorporate localized data such as the various pumping conditions of the two localized municipal drinking water extraction systems, the river, the buried bedrock channel, apparent eastward flow conditions in along the eastern boundary of the landfill, the depth of leachate and other site specific conditions.</p> <p>Web-based Map : Provide results of new analysis in the existing Web-based GIS tool developed in Phase I</p>	<p>60 days from receipt of data.</p> <p>60 days from request.</p>	Technical Memo; Web map
2.A.2	3	Optimizing Groundwater Monitoring Networks:	Technical Memo on resolving data gaps : Review RP's plan to resolve the data gap delineated in Phase I.	60 days from request.	Technical Memo
2.A.3	1,5,6,7	Evaluating Remedy Effectiveness and Remedial Progress:	<p>Technical Memo on updated modeling and status of remedy progress: Review any recent hydrogeologic studies and monitoring reports and a confirmation or an updating of the site conceptual hydrogeologic model and status of remedy progress if needed. 7) If requested by EPA, use the existing groundwater flow models updated in Phase I as required to be to determine remedy performance and evaluate the RP's proposed augmentation of the Site's remedy</p> <p>draft Technical Memo on areas of capture final Technical Memo on areas of capture: Determine expected temporal (separate &amp; combined) areas of capture for the current two localized municipal drinking water extraction systems based on the RP proposed augmentation of the Site's remedy</p> <p>draft Technical Memo on MNA expected performance final Technical Memo on MNA expected performance: Determine expected performance of Monitored Natural Attenuation (MNA) as a remedy based on RP proposed augmentation of the Site's remedy</p>	<p>Draft: 75 days after receiving data</p> <p>Final: 30 days after receiving comments</p>	Technical Memos
2.A.4	2	Optimizing Remedial Actions:	Technical Memo detailing the analysis methods and results of the analysis. Electronic files of results as described in Task description. Analyze the RP proposed augmentation of the Site's remedy to determine effects on groundwater contaminate conditions nature and extent and determine changes over-time and determine 3D plume stability.	<p>Draft: 75 days after receiving data</p> <p>Final: 30 days after receiving comments</p>	Technical Memo

### PROGRESS REPORT THROUGH 30 NOVEMBER 2018

2.A.5.1	Option al 1	Review and Comment of EPA Region 5 Reports	Technical Memos on review of 4 periodic groundwater monitoring reports: Review four periodic groundwater monitoring reports that RPs are required to submit throughout the year.	60 days from request.	Techical Memos
2.A.5.2	Option al 2	Review and Comment of EPA Region 5 Reports	Evaluate one RP report that includes Remedy Effectiveness and Remedial Progress detailing the analysis methods and results of the analysis: Provide comprehensive detailed written report on the review of one additional RP developed Remedy Effectiveness and Remedial Progress report that may be submitted including reviewing the results of RP's analysis of the proposed augmentation of the Site's remedy.	Draft Report due 75 days from request Final Report within 30 days of receipt of comments.	Report

Page 32  
December 15, 2018

## PROGRESS REPORT THROUGH 30 NOVEMBER 2018

### Monthly Administrative Status:

Date last invoices submitted:	Invoice 20736 (\$19,789.55) dated 12/14/2018 and submitted on 2018/12/14.
Date last payment received:	December 10, 2018 for Invoice 20672 (\$31,979.65) dated 11/15/2018 and submitted on 2018/10/15.
Status of Funding or Requests for Quotes	<b>Pristine: New funds are required to continue advancing scope of work.</b>
Other Administrative Comments	Quality Assurance Project Plan (QAPP) Draft A submitted on the date requested by Contract Officer (30 May, 2014).
Status of Contract Modifications	<p><i>Option Period 2 Modifications received:</i></p> <p><b>Mod 059 received on 9/26/2018</b> 003AP Pristine, \$10,000 funded, Approved \$52,170, total funding approved is \$141,219.44 Period of performance is 5/1/2014 to 4/30/2019</p> <p><b>Mod 058 received on 5/22/2018</b> 003AE Reilly Tar, \$101,085 received, total funding is now \$205,145.</p> <p><b>Mod 057 received on 4/11/2018</b> 003AN Kysor, \$6,160 shifted, total funding is now \$8,820.</p> <p><b>Mod 056 received on 03/26/2018</b> 3AP Pristine: deobligation of 0.56, total amount changed to \$89,049.44 03AM Verona: \$4750 added, Total changed from \$61,700 to \$66,450</p> <p><b>Mod 055 received on 3/5/2018</b> 03AM Verona: addition of Technical Direction Memorandum, \$4750 additional funding approve. No new funding obligated.</p> <p><b>Mod 054 received on 2/26/2018</b> Forest Waste Products (05D5) additional funding obligated \$(70,820)</p> <p><b>Mod 053 received on 2/7/2018</b> Forest Waste Products (05D5) approved additional funding \$(70,820), but no funding obligated, total funding approved (\$193,610)</p> <p><b>Mod 052 received on 2/2/2018</b> Ott Story (0502) obligated \$16,965.37</p> <p><b>Mod 051 received on 9/15/2017</b> Pristine (0556), obligated 89,500 (fully funded)</p> <p><b>Mod 050 received on 9/8/2017</b> Lemberger, deobligation of \$6303.36 from Option Period 1 Hedblum, deobligation of \$3153.48 from Option Period 1</p> <p><b>Mod 049 received on 9/7/2017</b></p>

## PROGRESS REPORT THROUGH 30 NOVEMBER 2018

	<p>Conrail, deobligation of \$1358.26 from Option Period 1 Forest Waste, deobligation of \$32,123.21 from Option Period 1</p> <p><b>Mod 048 received on 9/6/2017</b> St-Regis, deobligation of \$30,283.95 from Option Period 1 Reilly Tar, deobligation of \$3.78 from Option Period 1</p> <p><b>Mod 047 received on 9/5/2017</b> Auto Ion, deobligation of \$11,764.78 from Option Period 1</p> <p><b>Mod 047 received on 7/31/2017 - cancelled</b> Period of performance end date changed from 24- Sept-2017 to 30-Apr-2019 Deobligation of 162,020.47 from Option Period 1</p> <p><b>Mod 046 received on 7/19/2017</b> Keystone (B5VX) obligated \$118,467.26 Ott Story (0502) obligated \$12,000 Bendix (05AS) obligated \$51,696.59</p> <p><b>Mod 045 received on 6/8/2017</b> Ott Story (0502) obligated (\$19,614.63) Verona Well Field (0551) obligated (\$13.55) Kysor (052W) obligated (\$2660) Bendix (05AS) obligated (\$7603.41)</p> <p><b>Mod 044 received on 6/8/2017</b> Keystone (B5VX) obligated (\$11,832.74)</p> <p><b>Mod 043 received on 5/16/2017</b> Hagen Farm (053C) obligated (\$13,100) Auto Ion (05C4) obligated (\$20,300)</p> <p><b>Mod 042 received on 5/8/2017</b> Verona Well Field approved (\$61,700); obligated (\$60,000) Conrail (057Y) obligated (\$65,900)</p> <p><b>Mod 041 received on 4/26/2017</b> Funding received for the following sites: Keystone Corridor (B5VX) approved (\$130,300); obligated (\$0) St. Regis (05J2) approved (\$63,945) and obligated (\$63,945) Lemberger (05J4 and 053E) approved and obligated (\$37,900) Reilly Tar (0506) approved and obligated (\$104,060) Forest Waste Products approved and obligated (\$122,790) Hagen Farm (053C) approved (\$13,100); obligated (\$0) Hedblum (05E9) approved and obligated (\$11,400) Conrail (057Y) approved (\$65,900); obligated (\$0) Auto Ion (05C4) approved (\$20,300); obligated (\$0) Ott Story (0502) approved (\$48,580); obligated (\$0) Kysor (052W) approved (\$2660); obligated (\$0) Bendix (05AS) approved (\$59,300); obligated (\$0)</p>
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Page 34  
December 15, 2018

PROGRESS REPORT THROUGH 30 NOVEMBER 2018

	<p><b>Mod 040 received on 3/17/2017</b> Contract Option Period 2 exercised, Period of Performance 05/01/2017 to 04/30/2019, Current GSA schedule ends on 24 September 2017. The period of performance for Option Period 2 is also end 24 September 2017. A modification will be initiated once GSA approves the next GSA Schedule Contract option period.</p>
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